

**071505T4WAF**

**WELDING AND FABRICATION LEVEL 5**

**ENG/OS/WEF/CR/05/5**

**Perform Tungsten Inert Gas (TIG) Welding**

**July/August 2025**



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**PRACTICAL ASSESSMENT**

**TIME 8 HOURS**

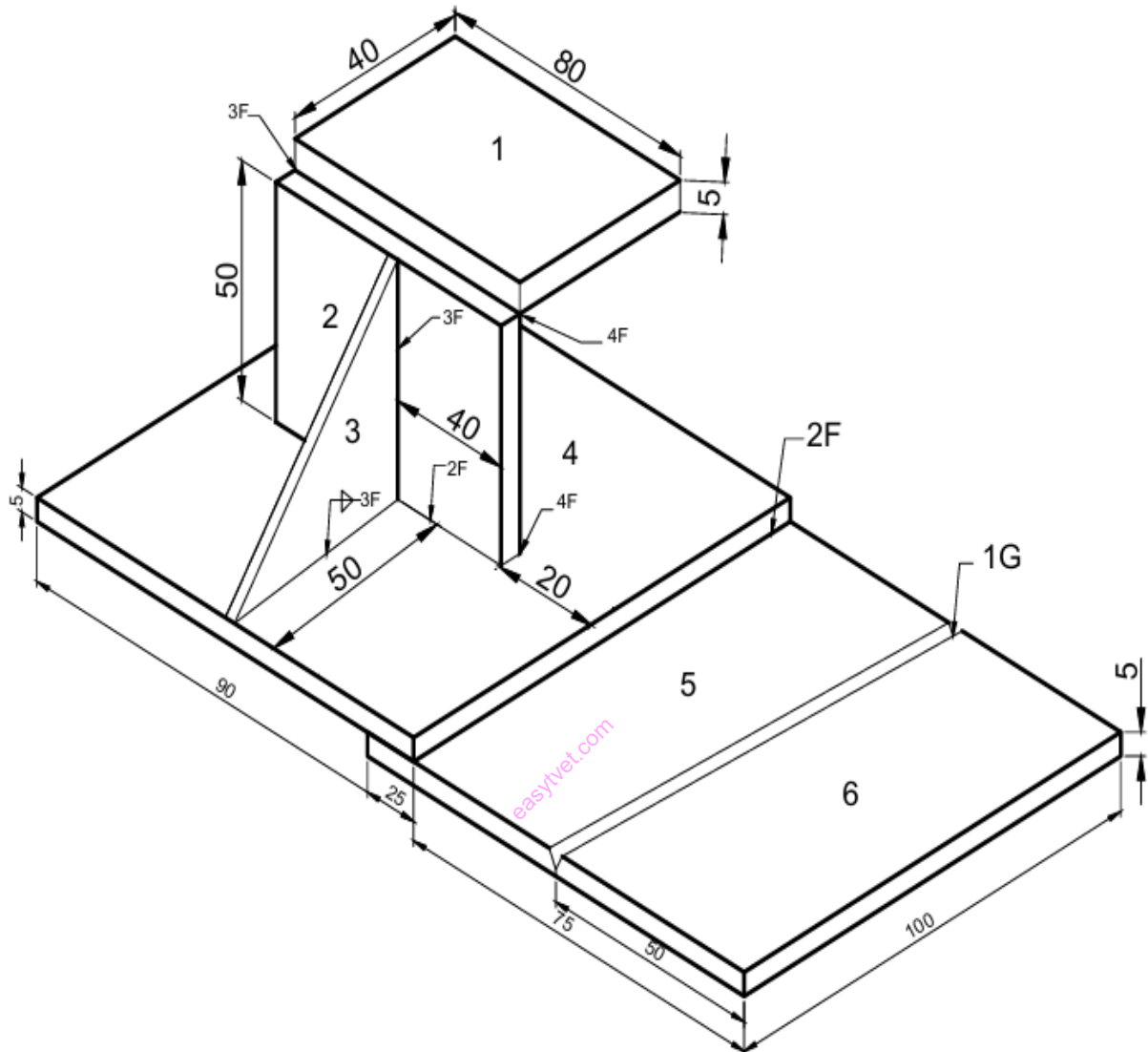
**INSTRUCTIONS TO CANDIDATE**

1. You are required to perform the following tasks;
  - i. Prepare parts as per the working drawing
  - ii. Carryout TIG welding as shown on the working drawing
2. You have been provided with the following resources for the practical task:
  - Mild Steel Plates
    - 117 mm × 102 mm × 5 mm            1 off
    - 102 mm × 52 mm × 5 mm            2 off
    - 82 mm × 52 mm × 5 mm            1 off
    - 82 mm × 42 mm × 5 mm            1 off
    - 52 mm × 52 mm × 5 mm            1 off
  - Complete TIG welding machine with accessories
  - TIG electrode

- TIG filler rod
- Welding shield
- Vernier caliper
- Protractor
- Tape measure
- Chisel
- Auto darkening welding goggles
- Leather gloves
- Leather apron
- Scriber
- Engineer's square
- Hacksaw frame and blade
- Portable grinding machine
- Grinding and cutting disc
- Metal wire brush
- Dot punch
- Sleeves
- Chalk
- Bench vice
- Assorted files
- A4 plain paper
- Pair of tongs
- Divider
- Ballpein hammer
- Steel rule

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**WORKING DRAWING**



**Notes:**

**Tolerance  $\pm 1$  mm**

**All dimensions in mm**